

DEPARTMENT: NORTH TONAWANDA PUBLIC WORKS
CLASSIFICATION: NON-COMPETITIVE
APPROVED: JUNE 24, 2014

HEAVY EQUIPMENT MECHANIC

DISTINGUISHING FEATURES OF THE CLASS: This is skilled work that involves responsibility for efficiently maintaining and repairing a wide variety of heavy duty equipment. Incumbents are responsible for maintaining the repair shop and all apparatus, tools, and equipment in it. All work is to be performed in a safe and efficient manner that adheres to all rules, regulations, and standard procedures. General direction is received regarding tasks to be performed permitting the incumbent considerable leeway in planning the details of each assignment. Does related work as required.

TYPICAL WORK ACTIVITIES:

1. Performs skilled mechanic work in maintaining, repairing, and overhauling gasoline and diesel motor equipment used by the city, including heavy duty trucks, tractors, bulldozers, front end loaders, or other equipment owned by the city;
2. Establishes and maintains a preventative maintenance program including lubrication of all assigned equipment, maintenance of equipment available for operation, and instruction of operators in the proper handling of mechanical equipment;
3. Inspects equipment to determine repairs needed; prepares repair estimates and requisitions for materials; orders parts and supplies for repairs; inspects completed repairs for effectiveness;
4. Diagnoses and repairs malfunctions in engines, performs tune-ups, and overhauls engine when necessary;
5. Overhauls and repairs transmissions, transfer cases, and differentials;
6. Diagnoses and repairs malfunctions in ignition systems, starters, alternators, generators, and related electrical devices and their circuitry;
7. Maintains, diagnoses and repairs malfunctions in hydraulic, vacuum, and air brake systems;
8. Performs minor body work;
9. Adjusts steering mechanisms on rubber tire and crawler type equipment and adjusts and repairs crawler tracks;
10. Performs electric and acetylene welding;
11. Operates drill presses and other machinery and shop equipment in performing repairs;
12. Maintains records of repairs and preventative maintenance activity;
13. Repairs small gasoline engines and power tools including snow blowers, lawn mowers, 2 and 4-cycle engines, and all auxiliary equipment used by the department, etc.

FULL PERFORMANCE KNOWLEDGES, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:

Thorough knowledge of standard heavy equipment and automotive equipment repair methods, terminology and tools of the trade; demonstrated ability to make difficult repairs to heavy automotive and other mechanical equipment; working knowledge of the related trades; working knowledge of accident and safety precautions of the trade; skill in the use of computers to perform research, trouble shoot, diagnose and locate parts in all department equipment and apparatus; automotive and heavy equipment repair skills; demonstrated ability to make difficult repairs to automotive, heavy equipment, and other mechanical equipment; ability to use and operate the tools necessary to accomplish these tasks; ability to operate electric and gas welding tools; ability to work from plans and specifications; ability to give, follow, and interpret oral and written directions; ability to work in a safe and efficient manner; ability to get along well with others; mental alertness; mechanical aptitude; manual dexterity; dependability; physical condition commensurate with the demands of the position.

MINIMUM QUALIFICATIONS: Graduation from high school or possession of an equivalency diploma; **AND**

1. Graduation from a regionally accredited or New York State registered college, university, or technical school with an Associate's Degree or certification in automotive repair technology, automotive technology, or related field **and** two (2) years of experience as a skilled automotive mechanic which involved the repair and maintenance of heavy automotive equipment including the maintenance and repair of hydraulic systems, diagnostic systems, brakes, and diesel and gasoline engines; **OR**
2. Four (4) years of experience as a skilled automotive mechanic which involved the repair and maintenance of heavy automotive equipment including the maintenance and repair of hydraulic systems, diagnostic systems, brakes, and diesel and gasoline engines.

SPECIAL REQUIREMENT:

Candidates must possess or obtain within six (6) months of appointment the following. Both must be maintained for the duration of employment:

1. A valid New York State CDL License, classification B over 26,000# G.V.W.
2. A New York State Inspection License with #1 and #2 classifications.